

FIG. 1

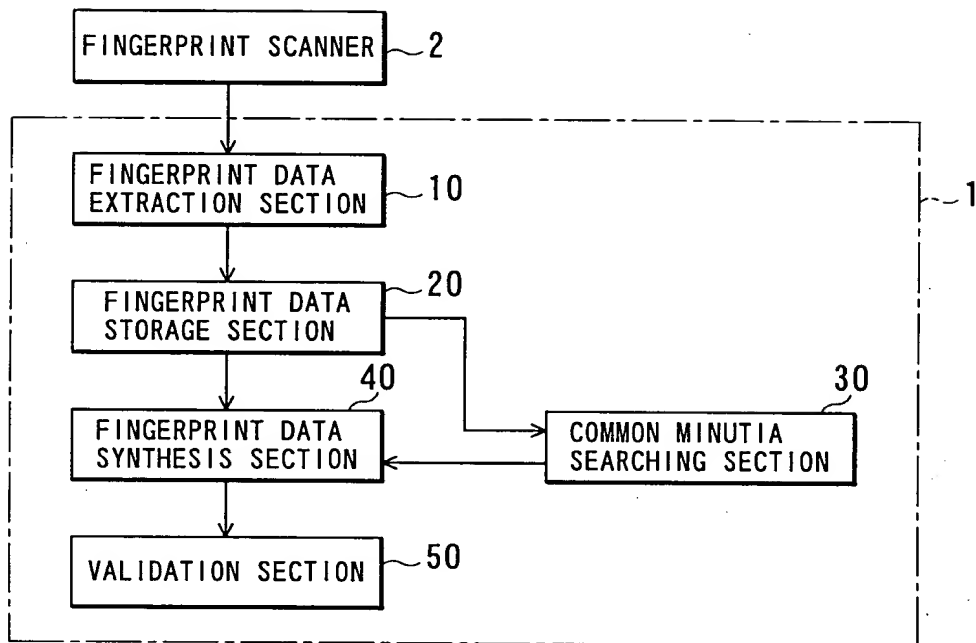


FIG. 1

FIG. 2

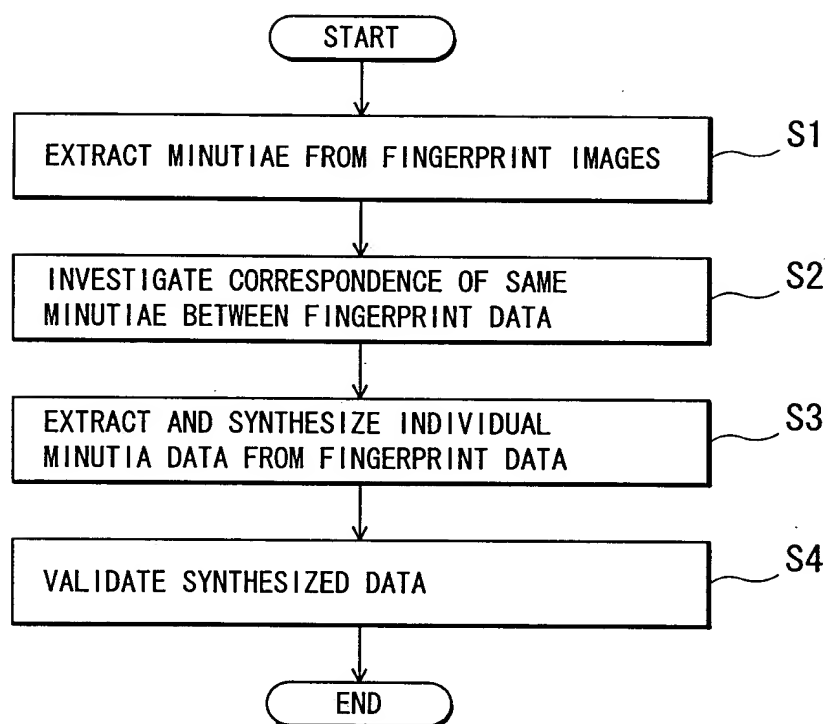


FIG. 2

FIG. 3

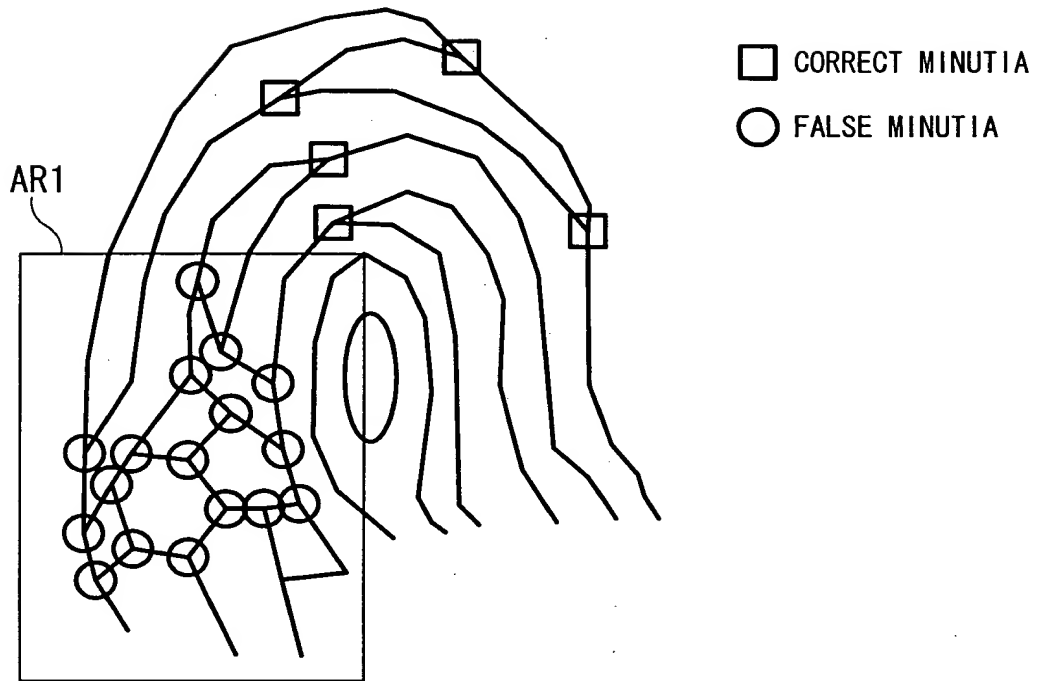


FIG. 4

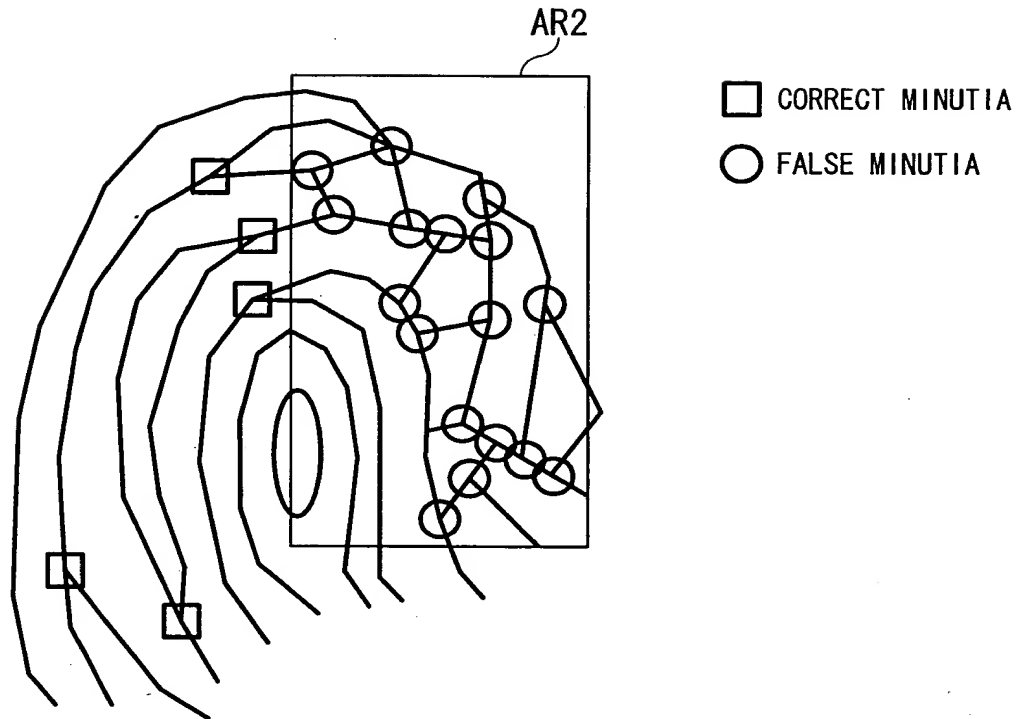
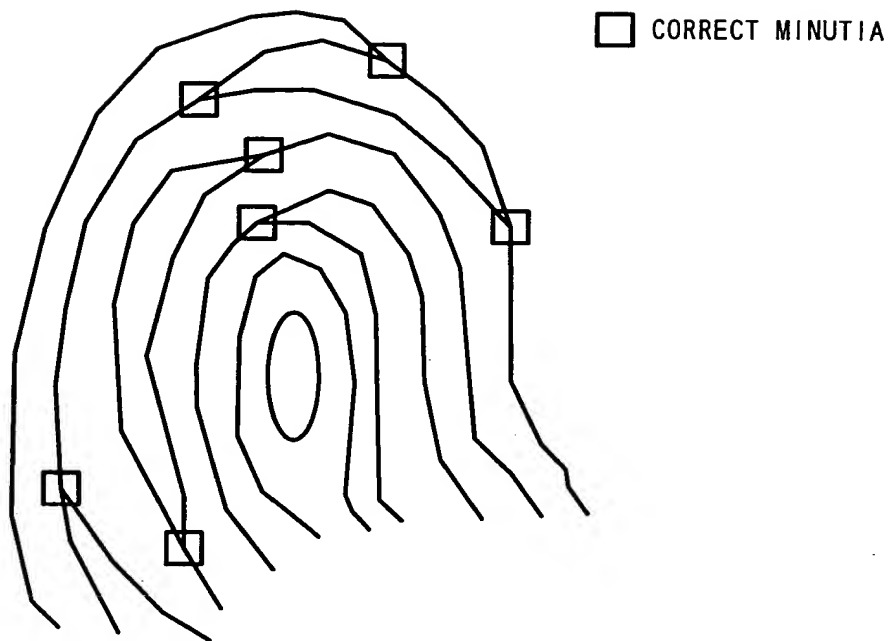


FIG. 4

FIG. 5



FOE7ED-55FE0860

FIG. 6A

FIG. 6A

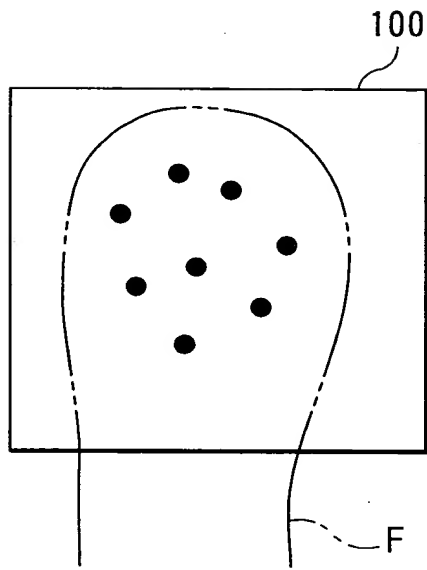
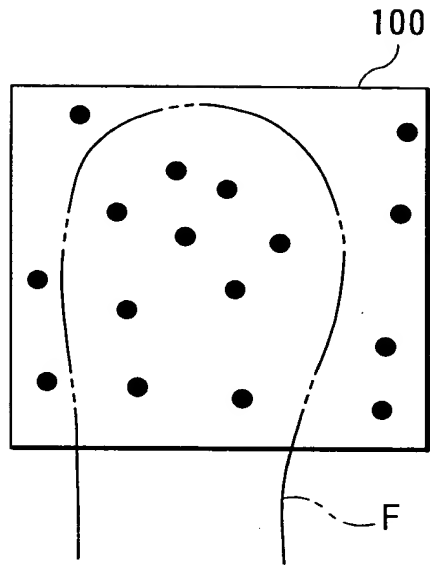


FIG. 6B



● MINUTIA

FIG. 7A

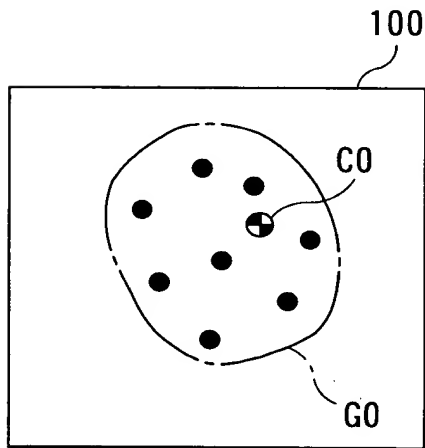
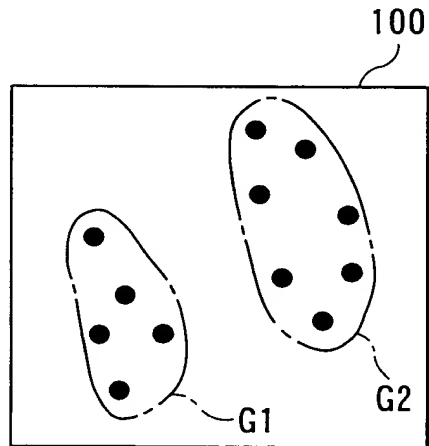


FIG. 7B



● MINUTIA

FIG. 8

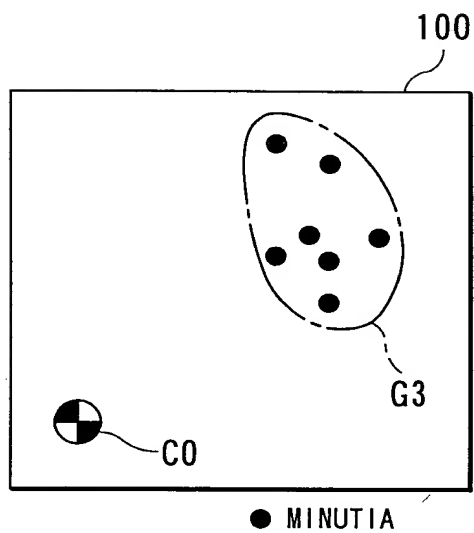


FIG. 9

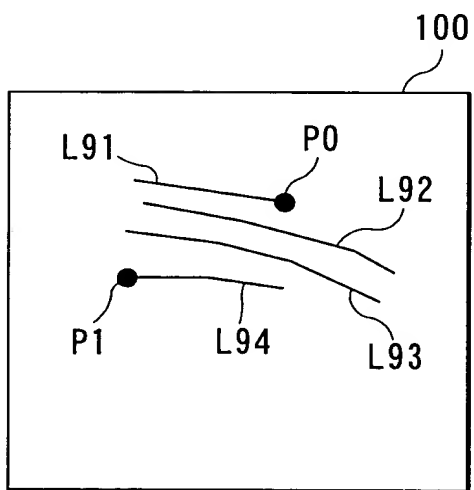
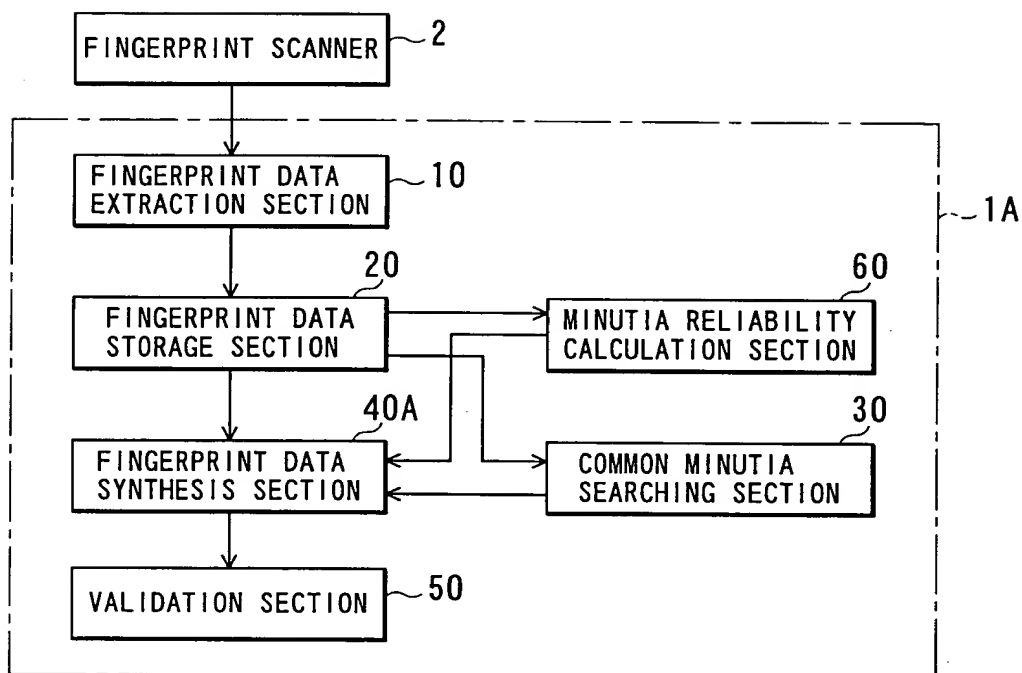


FIG. 10



TOP SECRET

FIG. 11

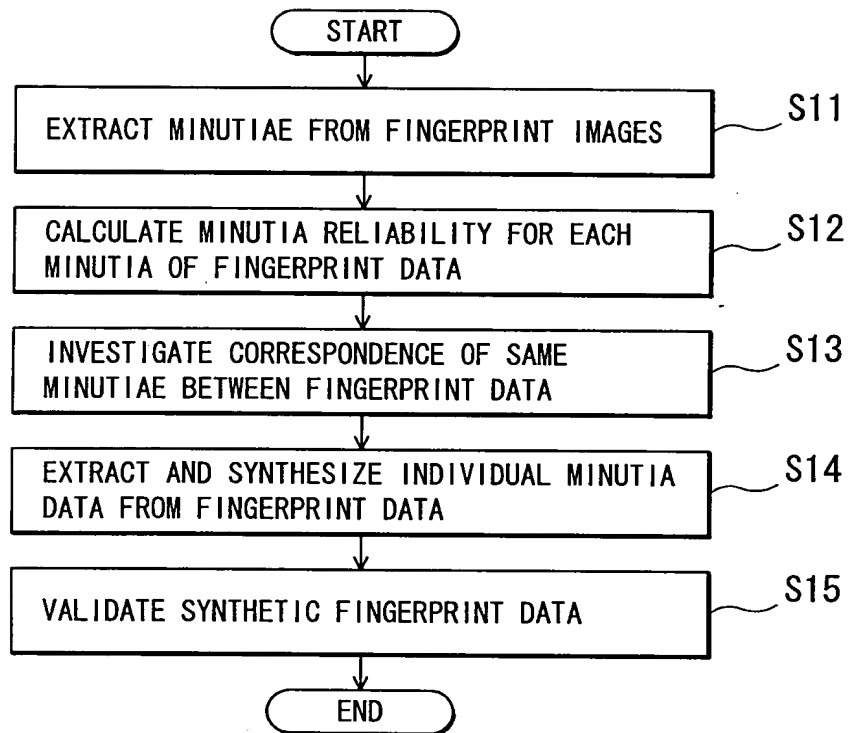


FIG. 12A

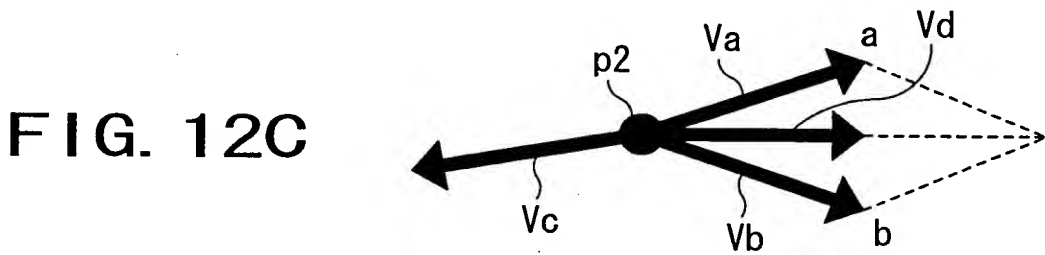
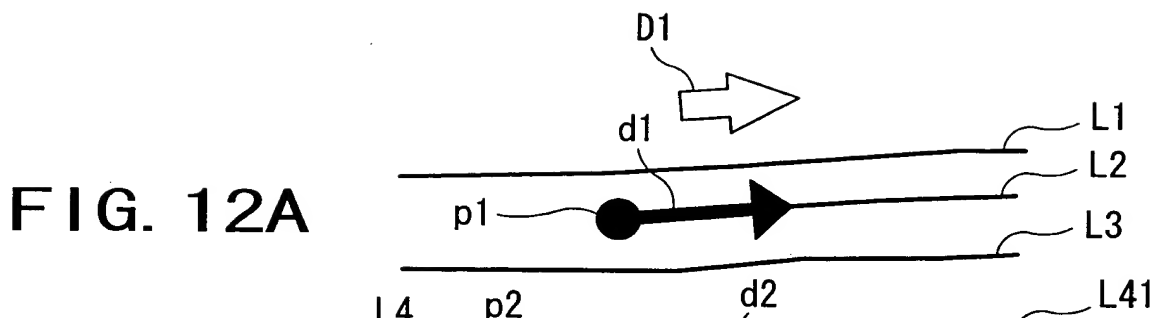


FIG. 13

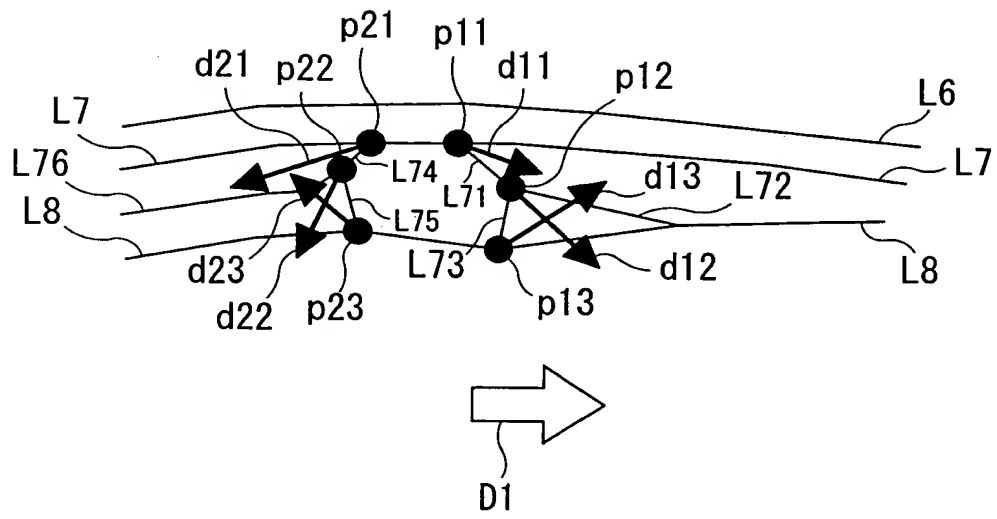


FIG. 14

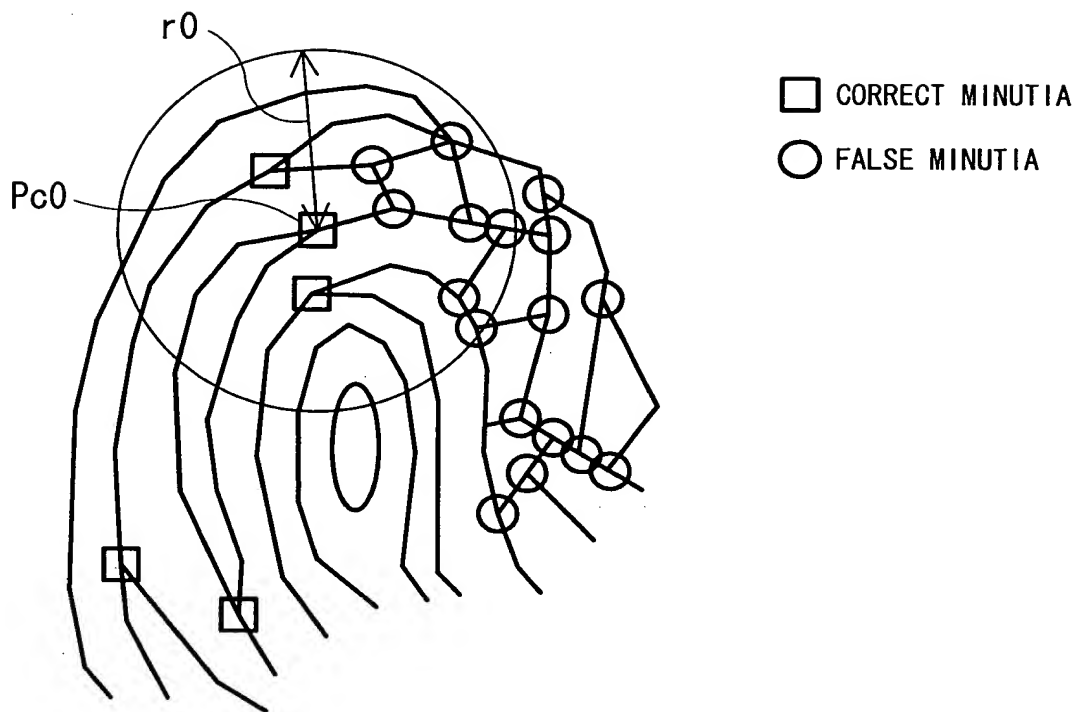


FIG. 15A

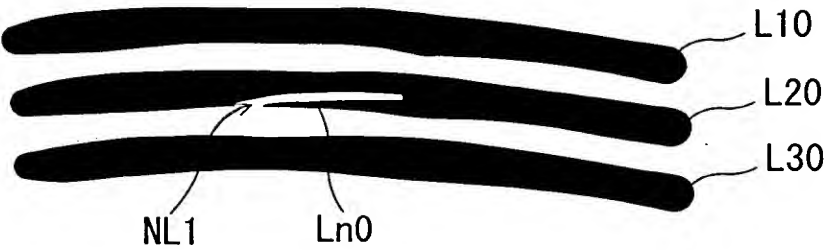
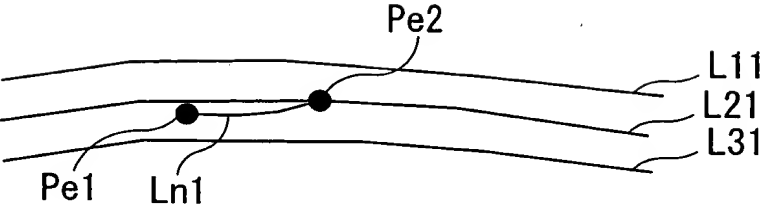


FIG. 15B



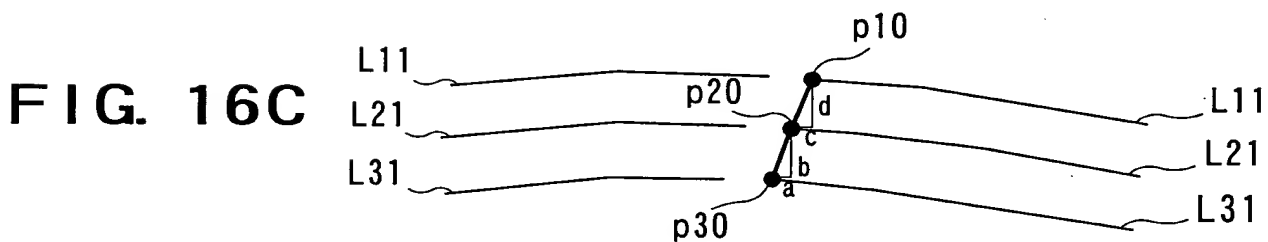
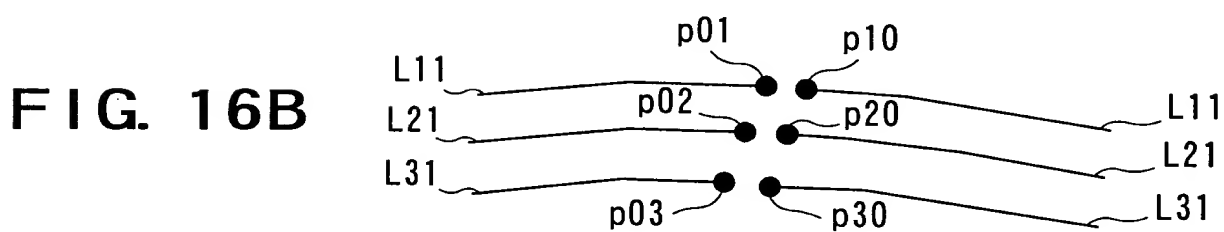
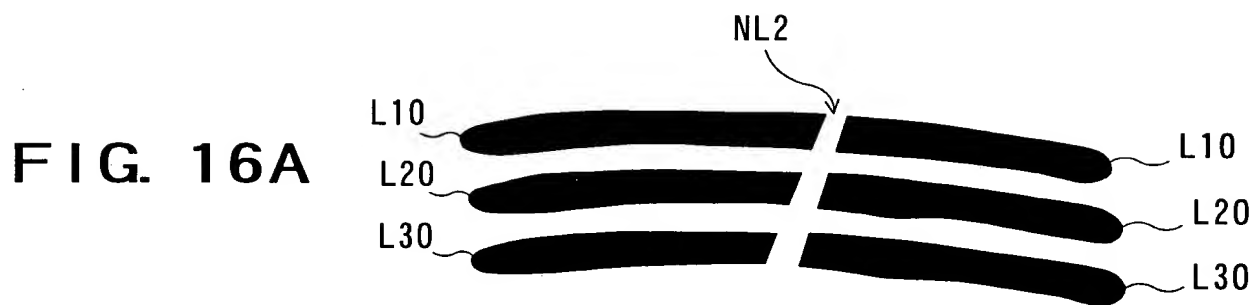


FIG. 17

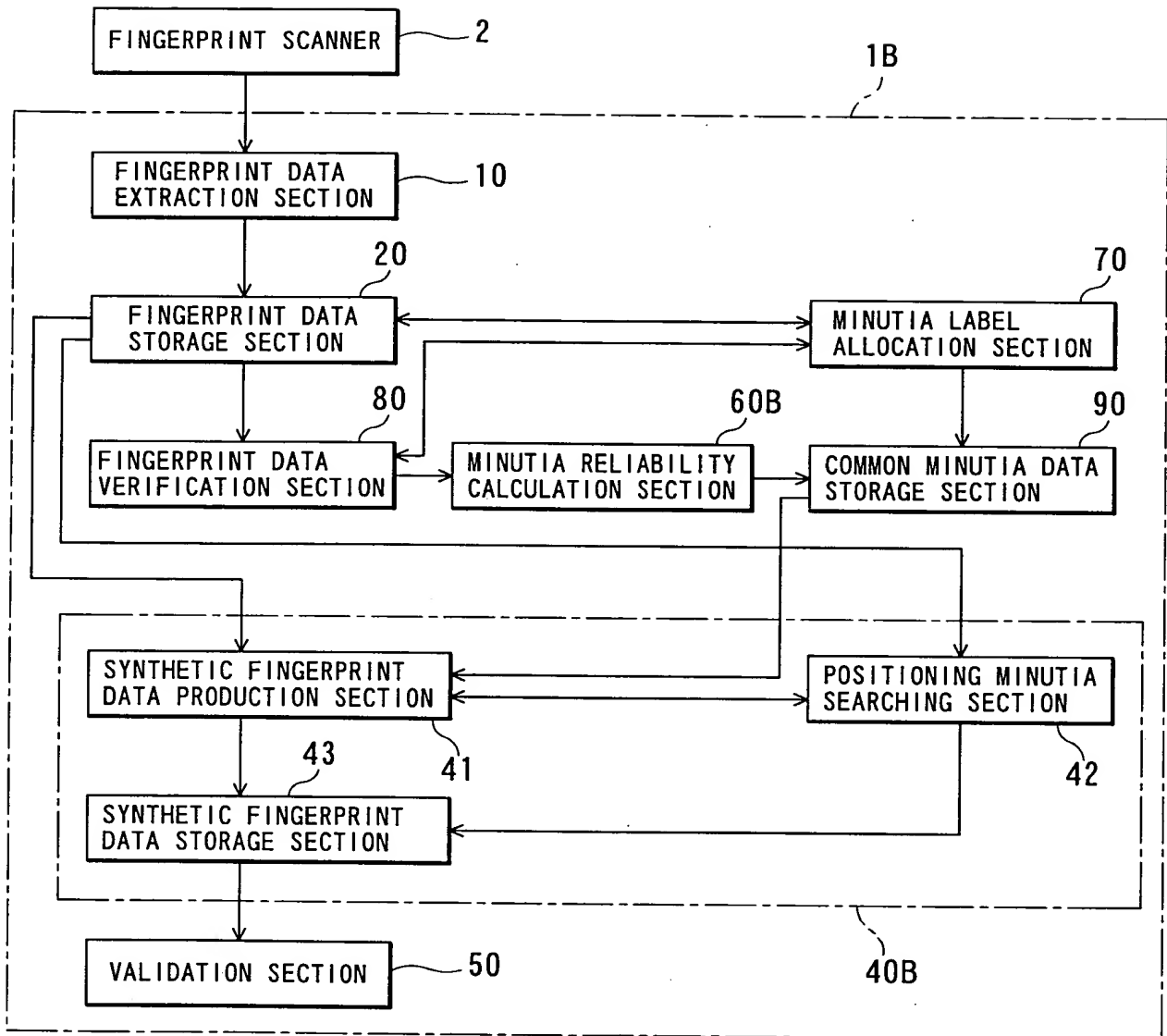


FIG. 17

FIG. 18

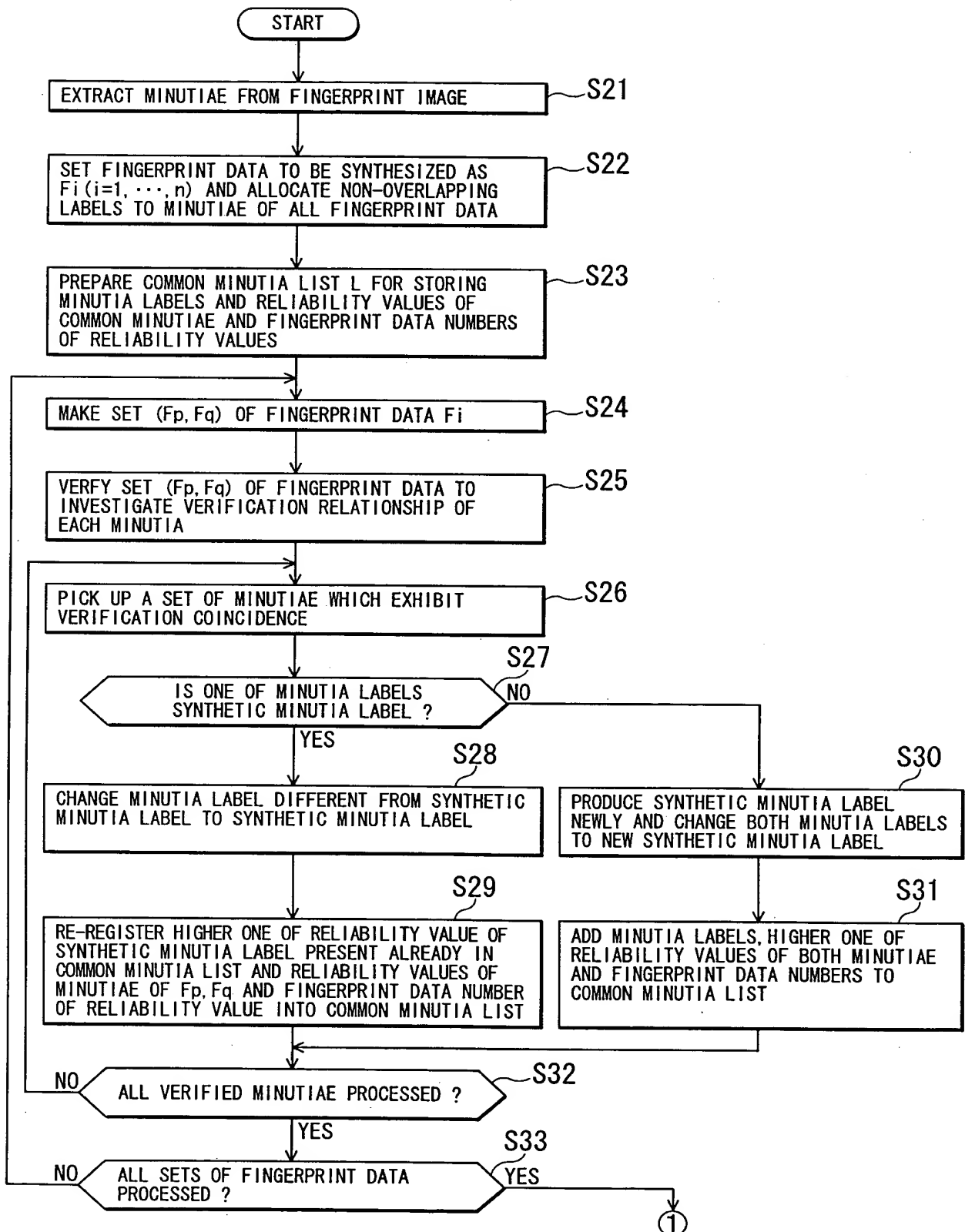


FIG. 19

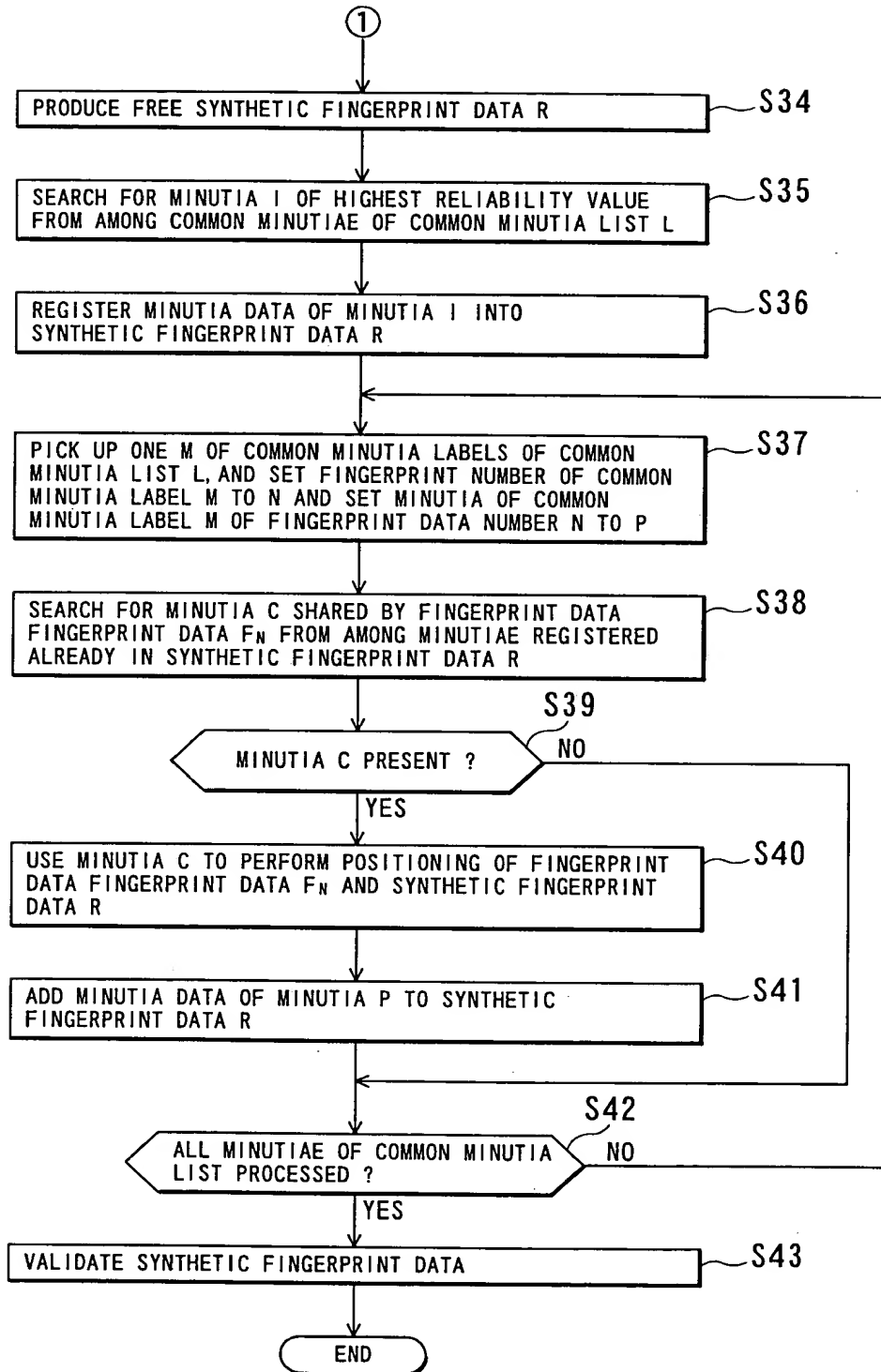


FIG. 20A

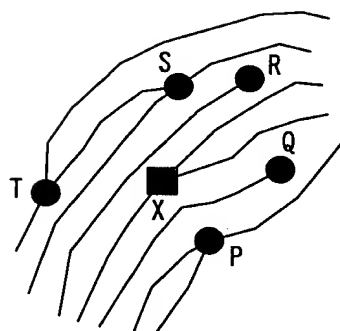


FIG. 20B

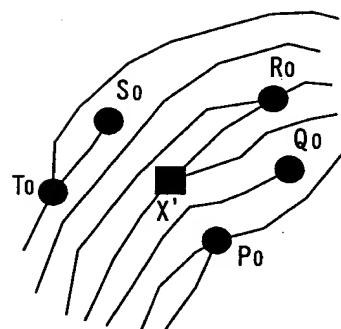


FIG. 21A

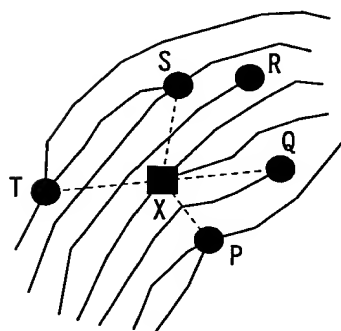


FIG. 21B

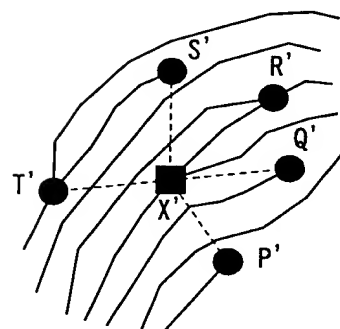


FIG. 22A

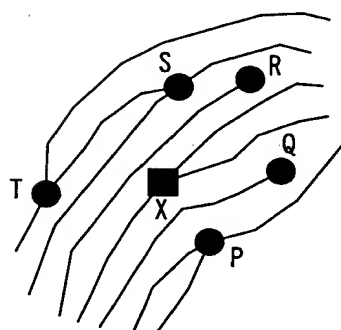


FIG. 22B

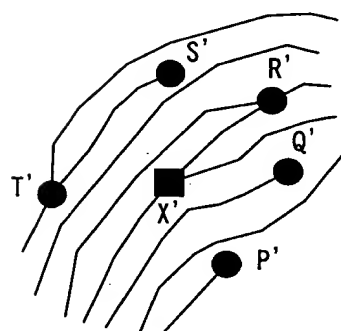
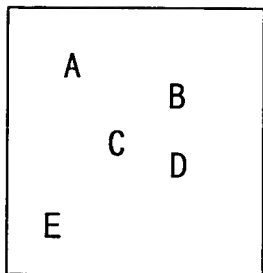
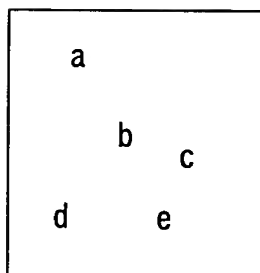


FIG. 23A



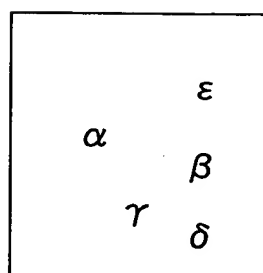
FINGERPRINT DATA F1

FIG. 23B



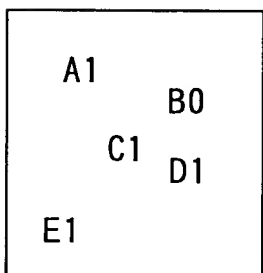
FINGERPRINT DATA F2

FIG. 23C



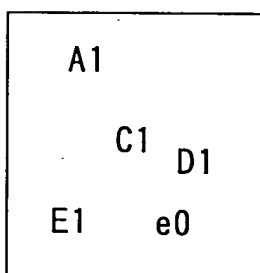
FINGERPRINT DATA F3

FIG. 24A



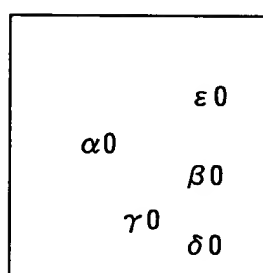
FINGERPRINT DATA F1

FIG. 24B



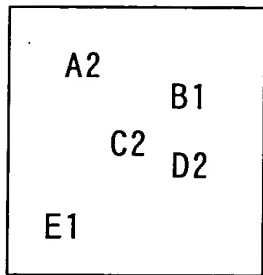
FINGERPRINT DATA F2

FIG. 24C



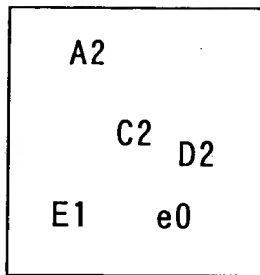
FINGERPRINT DATA F3

FIG. 25A



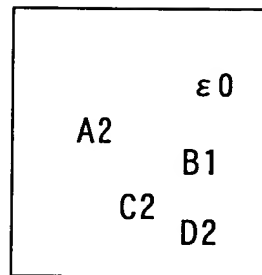
FINGERPRINT DATA F1

FIG. 25B



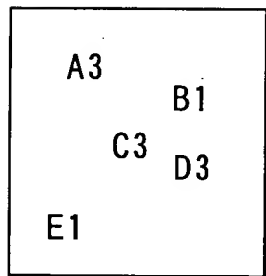
FINGERPRINT DATA F2

FIG. 25C



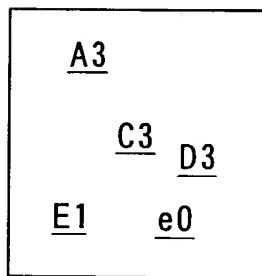
FINGERPRINT DATA F3

FIG. 26A



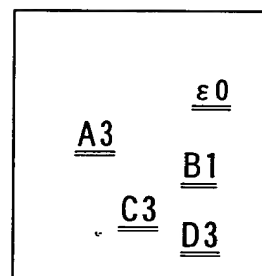
FINGERPRINT DATA F1

FIG. 26B



FINGERPRINT DATA F2

FIG. 26C



FINGERPRINT DATA F3

FIG. 27

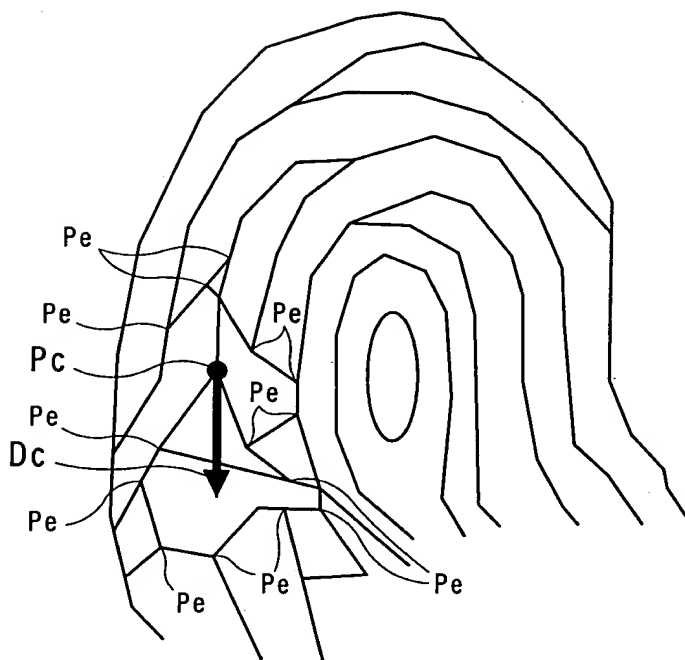
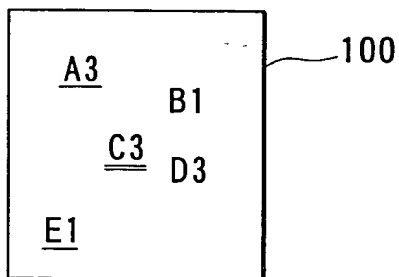


FIG. 28



SYNTHETIC FINGERPRINT DATA

FIG. 29A

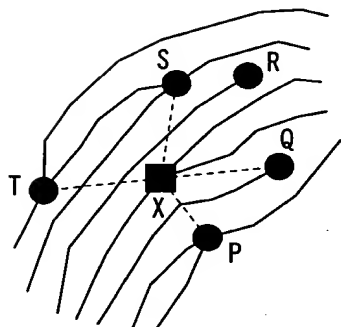


FIG. 29B

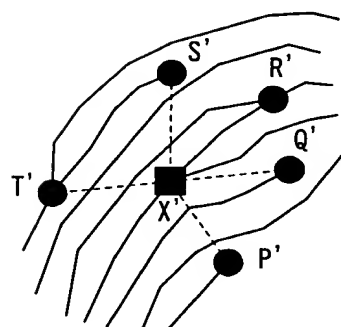


FIG. 29C

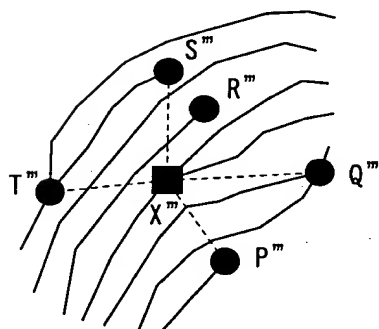


FIG. 29D

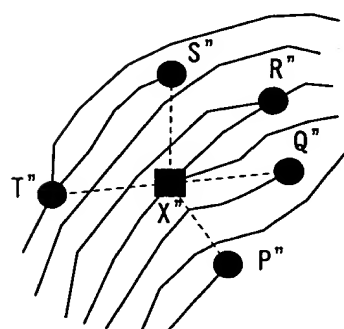


FIG. 30A

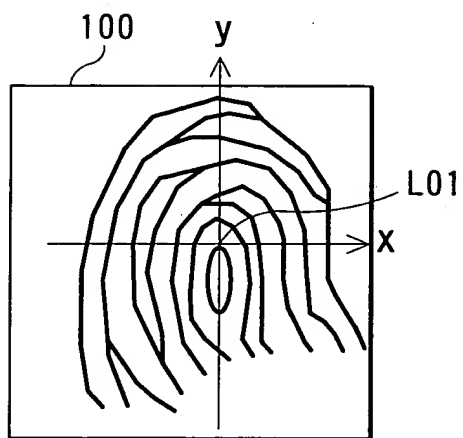


FIG. 30B

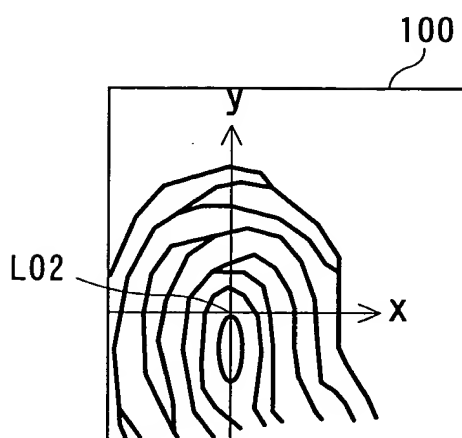


FIG. 31A

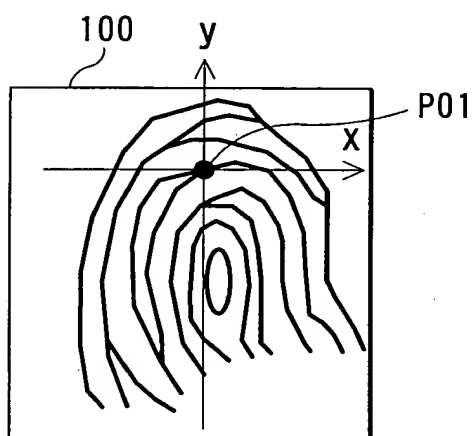


FIG. 31B

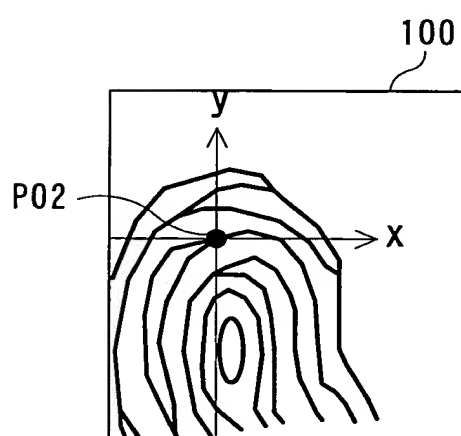
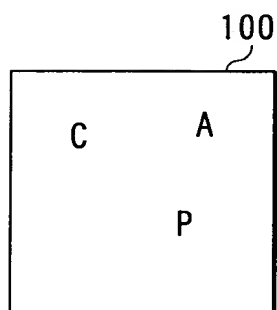
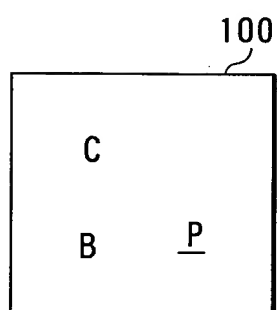


FIG. 32A



FINGERPRINT DATA F_N

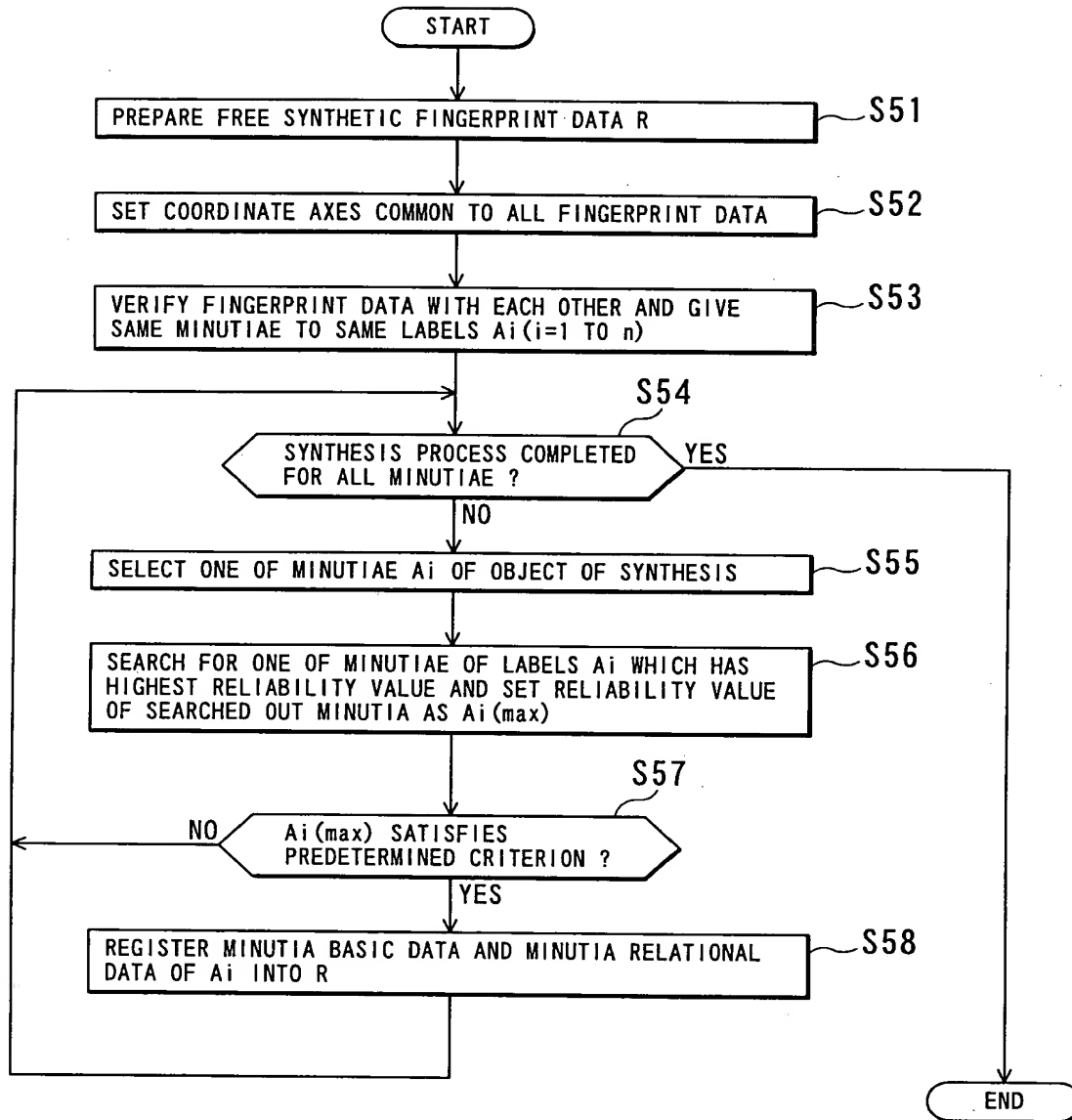
FIG. 32B



SYNTHETIC FINGERPRINT DATA R

C :COMMON MINUTIA
A, B:MINUTIA NOT COMMON
P :MINUTIA TO BE SYNTHESIZED
P :SYNTHESIZED MINUTIA

FIG. 33



FOOTED-ESTED860

FIG. 34A

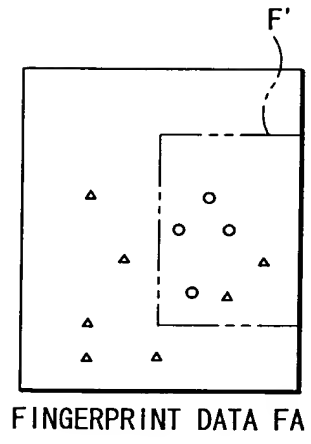


FIG. 34B

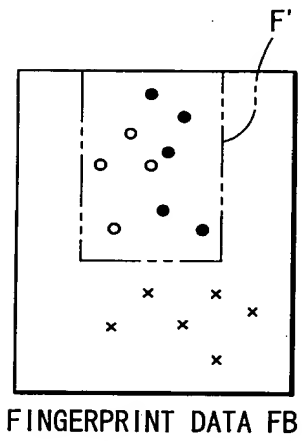


FIG. 34C

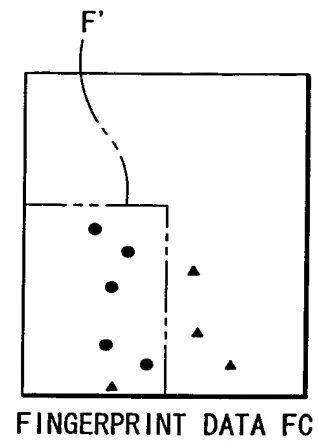
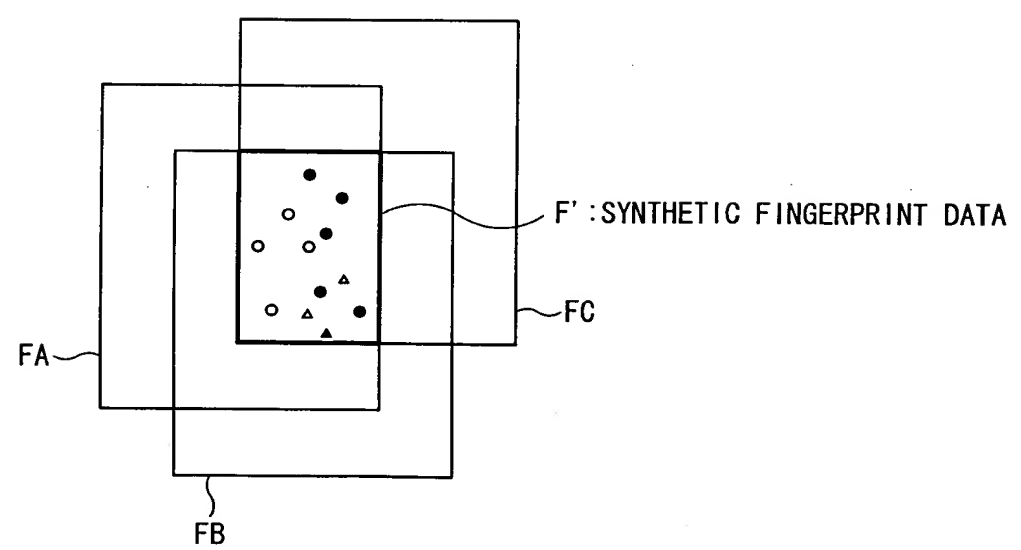


FIG. 34D



- : MINUTIA EXISTING IN BOTH OF FA & FB
- : MINUTIA EXISTING IN BOTH OF FB & FC
- △ : MINUTIA EXISTING IN FA ONLY
- × : MINUTIA EXISTING IN FB ONLY
- ▲ : MINUTIA EXISTING IN FC ONLY